***Vamshi Prasad Goteti***

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# **PROFESSIONAL SUMMARY**

MSc Computing graduate (Merit, 64%) with hands-on backend development experience in ASP.NET MVC, C#, and SQL Server. Proven expertise in REST API development, AWS cloud services (EC2, S3, IAM), and CI/CD automation using GitHub Actions. Built secure, scalable LMS modules, reducing bugs by 35% and boosting DB performance by 30%. Seeking backend or cloud-focused roles in the UK where I can contribute to building high-performing systems.



# TECHNICAL SKILLS

* **Programming Languages**: C#, JavaScript, Python, TypeScript, SQL, HTML5, CSS3
* **Frameworks & Libraries**: ASP.NET MVC, .NET Core, Entity Framework, Node.js, Bootstrap, React (beginner)
* **Cloud & DevOps**: AWS (EC2, S3, Lambda, IAM, DynamoDB, CloudWatch), Microsoft Azure (App Services, Blob Storage, DNS,CDN), CI/CD (GitHub Actions, Jenkins), Docker (basic), Terraform (basic)
* **Databases**: SQL Server, MySQL, Oracle, Azure SQL, DynamoDB
* **Tools & Platforms**: Visual Studio, VS Code, Git, GitHub, Postman, Power BI, Figma, Swagger, Jira, Agile/Scrum
* **Testing & Quality**: Unit Testing, Integration Testing, Postman/Newman automation, Selenium (basic)
* **Development Practices**: SDLC, Agile methodology, Microservices architecture, REST API development, Version Control (Git)
* **Soft Skills:** Problem Solving, Adaptability, Communication, Team Collaboration, Time Management

# **PROFESSIONAL EXPERIENCE**

**Backend Developer – Newham Mosaic LMS**  
*University of East London (in collaboration with Future Electronics)*  
📍 London, UK | Oct 2024 – May 2025

* Developed secure, scalable **RESTful APIs** and full-stack **CRUD modules** for managing attendance, profiles, and course content.
* Implemented **role-based authentication** and access control, reducing unauthorized access by **45%**.
* Tuned SQL Server queries and **indexed schemas**, improving database performance by **30%**.
* Wrote automated **unit tests**, integrated GitHub Actions for CI, and reduced post-release bugs by **35%**.
* Deployed AWS-based monitoring with Power BI for real-time analytics and cloud-native metrics.

# **EDUCATION**

MSc in Computing (with Industrial Placement), University of East London, UK (Sep 2023 – May 2025) – Merit (64%)

Modules: Software Engineering, Cloud Computing, Database Systems, Networking

B.Tech in Electronics & Communication Engineering, JNTUK, India (2017 – 2021) – CGPA: 6.58/10

Note: Academic tenure from 2017–2021; degree awarded in Dec 2022 due to COVID-related academic delays.

# **PROJECTS**

**Newham Mosaic LMS – University Project**

* Designed and implemented a full-featured Learning Management System (LMS) for a public sector client using ASP.NET MVC, C#, SQL Server
* Created user authentication with role-based access, supporting admin, staff, and student roles securely
* Developed attendance and course tracking modules, with CRUD interfaces and server-side validation
* Integrated AWS services (EC2, S3, CloudWatch) for hosting, monitoring, and scalability
* Built live analytics dashboards using Power BI, allowing real-time data visualization and reporting for management

**Cooking Activity Recognition (Dissertation)**

* Built an AI-based smart vision system that classifies daily kitchen activities from video streams
* Used CNN + LSTM models with multimodal sensor and video input for temporal feature extraction
* Preprocessed data using OpenCV and trained models using TensorFlow, achieving over 90% accuracy
* Demonstrated a robust real-time recognition system using webcam simulation and custom dataset

**Automated Resume Deployment Using AWS EC2 and GitHub Actions**  
*Personal DevOps Project | [*[*https://github.com/Vmshibharadwaj19/Ewp/actions*](https://github.com/Vmshibharadwaj19/Ewp/actions)*]*

* Set up and configured an Ubuntu EC2 instance with a custom security group allowing HTTP, HTTPS, and SSH access.
* Installed and managed Apache2 to serve a static HTML resume from the EC2 server.
* Created GitHub Actions workflow (.yml) to automate deployment using secure SSH-based deployment via easingthemes/ssh-deploy.
* Used GitHub Secrets to manage private keys and remote login credentials securely.
* Integrated a second GitHub Action (appleboy/ssh-action) to move deployed files into /var/www/html and restart Apache after every code push.
* Resolved real-world deployment issues such as rsync code 23, file permission errors, and Apache port access conflicts.
* Result: A fully automated, push-to-deploy CI/CD pipeline to a live EC2 server, accessible via public IP and DNS

*Ref :* [*http://ec2-52-207-236-91.compute-1.amazonaws.com/*](http://ec2-52-207-236-91.compute-1.amazonaws.com/)

* **Deploy a Web-APP Using EC2**
* Created and Launched an EC2 Instance.
* EC2 Instance creation confirmation
* Security group with open HTTP/HTTPS
* Git-Hub portfolio Unzip using Cmd
* Deployed Live on browser
* Reference Documentation: <https://github.com/Vmshibharadwaj19/Aws.git>
* [http://44.203.4.136](http://44.203.4.136/) *(live preview)*

**AWS Static Website Deployment**

* Built and deployed a static portfolio site hosted on AWS using S3 Bucket
* Configured HTTPS
* Automated deployments with GitHub Actions using push-to-deploy strategy
* Reference : <http://no1pjctacl.s3-website-us-east-1.amazonaws.com/>

# **CERTIFICATIONS**

- Simplilearn – Linux Fundamentals

- Simplilearn – Cloud Basics Workshop

- Simplilearn – Data Analytics Certification

- Forage – Accenture Developer Simulation

- Forage – Deloitte Cloud Engineering Simulation

Awards & Achievements

- Finalist – UEL Hackathon 2025

- Winner – Best Backend Contribution, LMS Project

AWARDS & ACHIEVEMENTS

* Finalist – **University of East London Hackathon 2025**
* Winner – **Best Backend Contribution**, LMS Project
* Participant – **Microsoft Learn Ambassadors Webinar on Azure**
* **Aws Cloud Practitionaer**
* **Deloitte Simulation**

LANGUAGES

English (Fluent), Telugu (Native), Hindi (Fluent)